

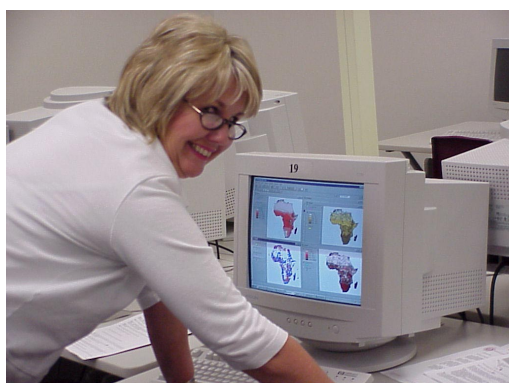
Utah Geographic Information Systems (GIS) Workshop for Educators

A one-day workshop for
Geography, Business, History, Mathematics,
Biology, and Earth Science Instructors
from Grade 5 through College Level.

Saturday October 11, 2003

8:00 am - 4:30 pm
Salt Lake Community College
Salt Lake City Utah

Sponsored by:
Salt Lake Community College
ESRI, Inc.
U.S. Geological Survey (USGS)



Join us...

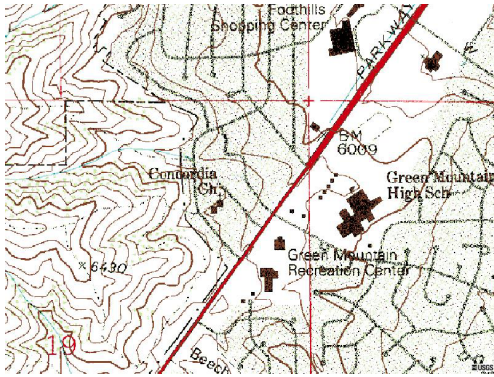
As the world becomes ever more connected, managed, and observed through the use of computers and other technologies, students have opportunities like never before to have the world at their fingertips – whether using the Internet, geographic information systems (GIS), the global positioning system (GPS) or satellite imagery. What better opportunity could educators have to instill in students a curiosity about geography, science and their world than by using these increasingly available tools?



The Utah GIS for Educators Workshop is comprised of hands-on series of activities for educators who want to learn more about using GIS, digital data, and online resources – many of which are free!

Activities will include collecting GPS coordinates and field data and mapping these within a GIS, analyzing seismic risk in the world, USA, and in Utah, and siting a business in the Salt Lake Valley based on population and transportation.

We will discuss applications of GIS in planning, engineering, science, and business. Science, business, and geography instructors at all levels are encouraged to attend, as are any other teachers who are interested. Students are welcome, too!



What is GIS? What are “geospatial technologies”?

A geographic information system, or GIS, is a computer-based system designed for storing, updating, analyzing, displaying, and manipulating spatial data – information about places on the planet. It allows the user to answer geographic questions by arranging and displaying data about places in a variety of ways via maps, databases, images, and graphs. GIS can be used in the classroom to address geography, history, science, and technology standards.

“Geospatial technologies” include GIS, plus GPS (the Global Positioning System), remote sensing, and satellite imagery. For more information on these, visit:

<http://www.esri.com/k-12>

<http://www.gis.com>

<http://www.gisday.com>

<http://rockyweb.cr.usgs.gov/public/outreach/>



Why should students learn this stuff?

Students can use these tools to explore the cultural and physical environment – population distribution, historical settlement, watersheds, landforms, natural hazards, land use, and more. From participating in local community projects to observing trends at a global scale, students at all grade levels can use geospatial technologies. These types of educational experiences are extraordinary for students – hands-on, real-world, and high-tech! In addition, the skills they learn can be transferable to the work place. Examples of classroom use are:

- North Carolina middle school students use GIS to track elephants in Africa for a local zoo while others track the devastating effects of floods from recent hurricanes.
- North Dakota high school students help local state parks study and manage their resources using GIS.
- Colorado college students compare historical floods in their community to present-day land use.
- Texas students analyze tracks of hurricanes over the past century.



For more information:

Salt Lake Community College: Dorleen Jenson
(801) 957-4782 or dorleen.jenson@slcc.edu
www.slcc.edu

ESRI: Esther Worker
303-449-7779 or eworker@esri.com
www.esri.com

USGS: Joseph Kerski
303-202-4315 or jkerski@usgs.gov
<http://rockyweb.cr.usgs.gov/public/outreach>

For out-of-town attendees, hotels are available and listed on the Salt Lake Visitors and Convention web site:
<http://www.visitsaltlake.com/stay/accommodations.shtml>

October 11, 2003 Workshop Location:

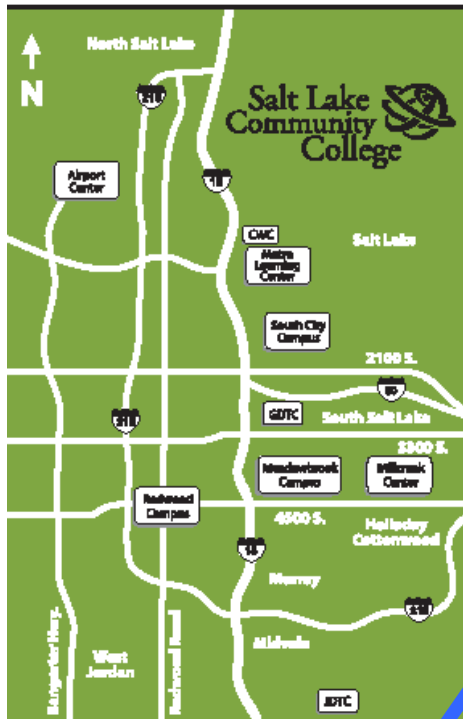
Salt Lake Community College – Redwood Campus
4600 South Redwood Road (1700 West)
Science and Industry Building
Room 258
Salt Lake City UT 84130

Registration: \$25
Includes Continental Breakfast & Lunch

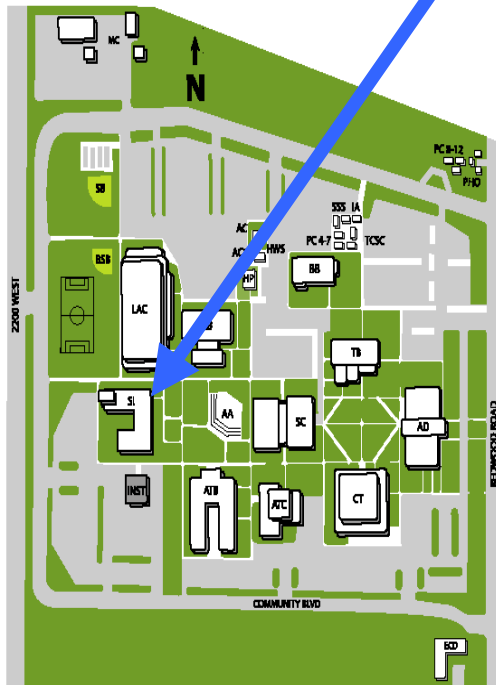
Please make checks payable to **SLCC** and send by 30 September 2003 with the registration form to:

Utah GIS for Educators Workshop
Salt Lake Community College
4600 South Redwood Road
Division of Natural Sciences S. I. 341
Geography Dept – Attn: Dorleen Jenson
Salt Lake City UT 84130

On-site registration will be available, but pre-registration is encouraged!



Redwood Campus



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Geography Dept – Attn: Dorleen Jenson
Salt Lake City UT 84130

Dorleen Jenson - - Phone and email: 801-957-4782 dorleen.jenson@slcc.edu

Utah Geographic Information Systems (GIS) Workshop for Educators

Registration Form

_____ Instructor _____ Student

Name: _____

Address: _____

Phone: _____

Fax: _____

Email: _____

School/Org: _____

District: _____

Grade Level: _____

GIS software currently using (if any) _____